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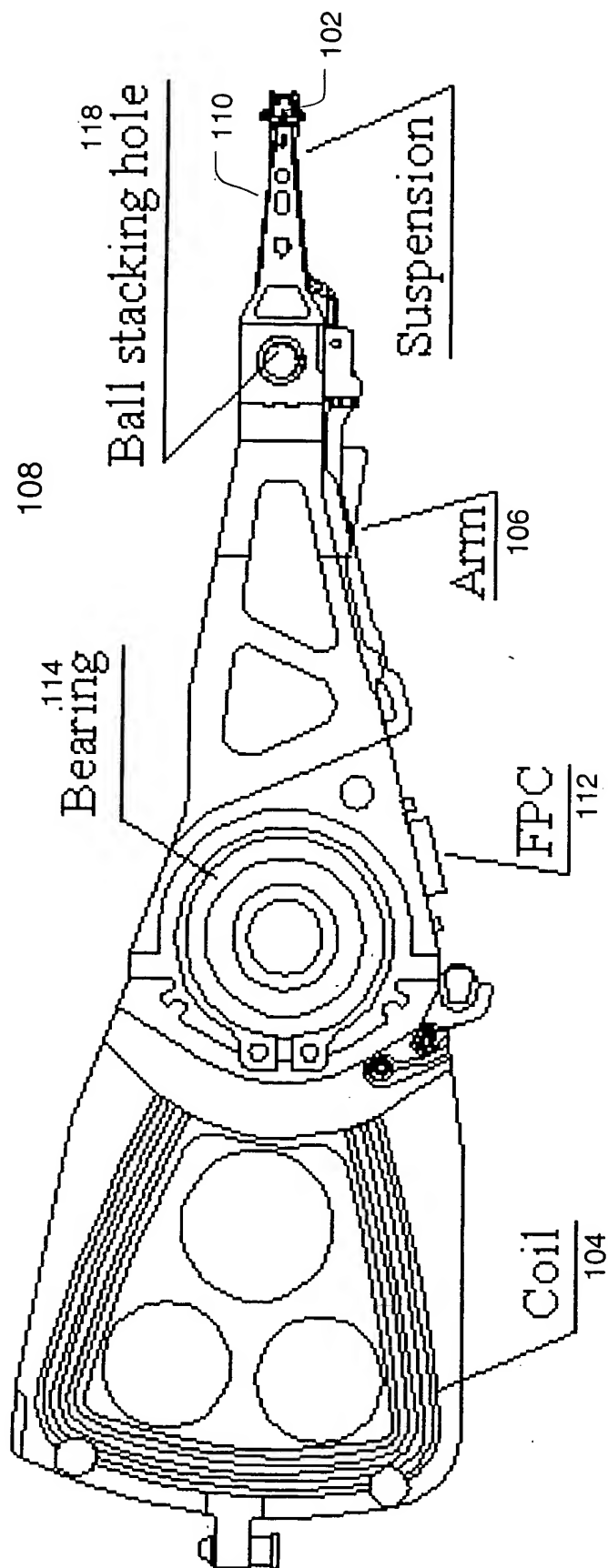
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Top view of a typical magnetic head arm assembly (HAA)

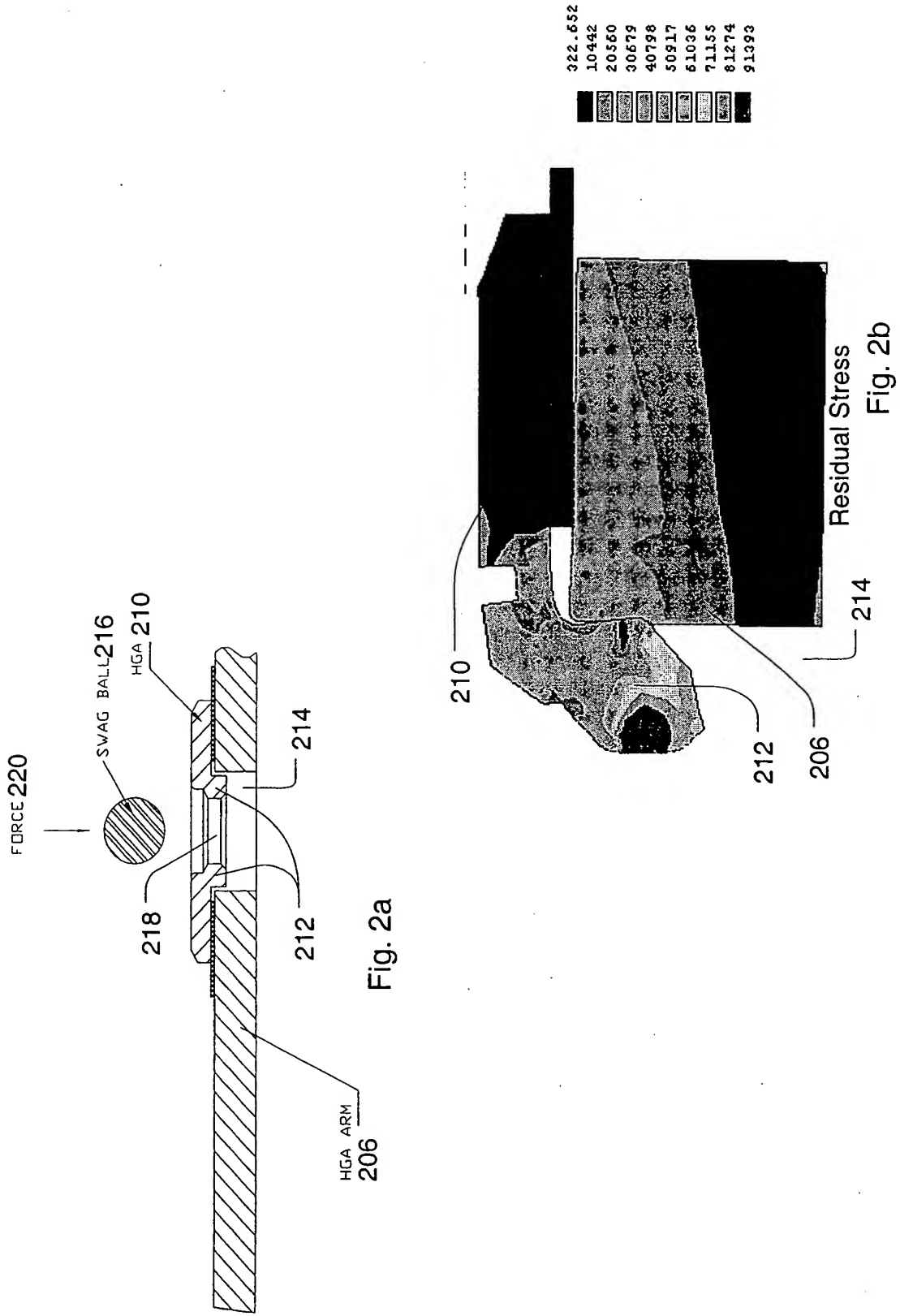


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Prior Art

Figure 1

Ball Stacking Method



Prior Art

Figure 2

Three-piece magnetic head assembly

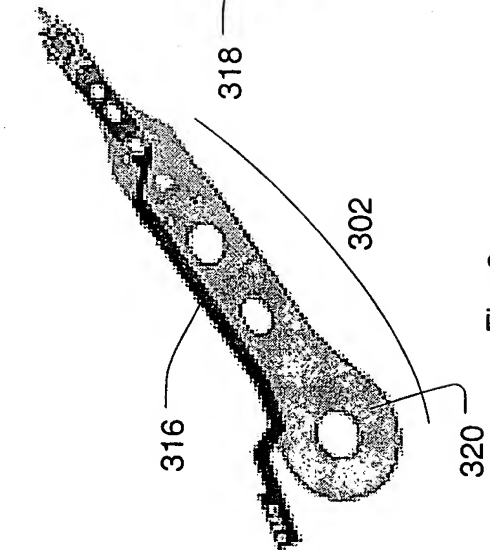


Fig. 3a

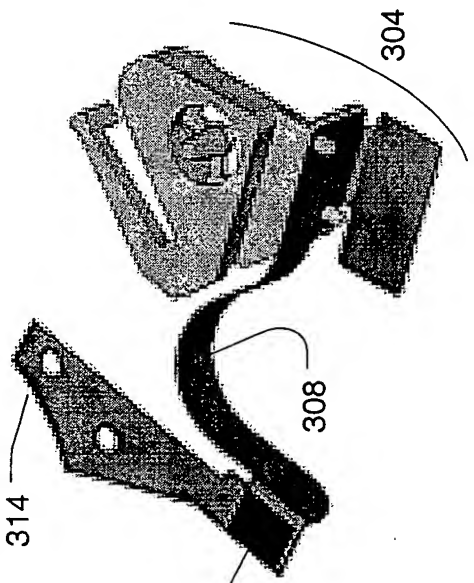


Fig. 3b

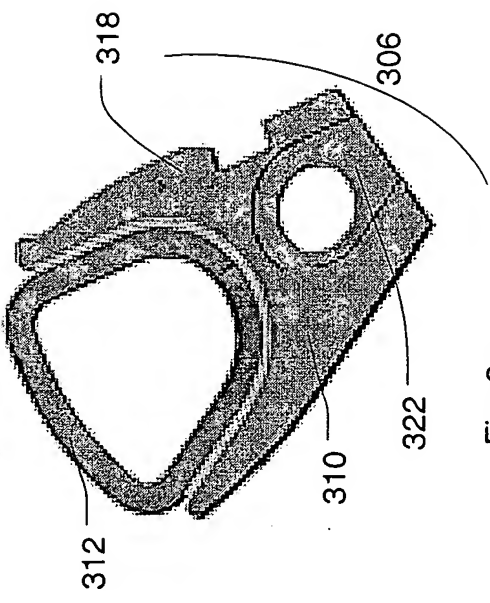


Fig. 3c

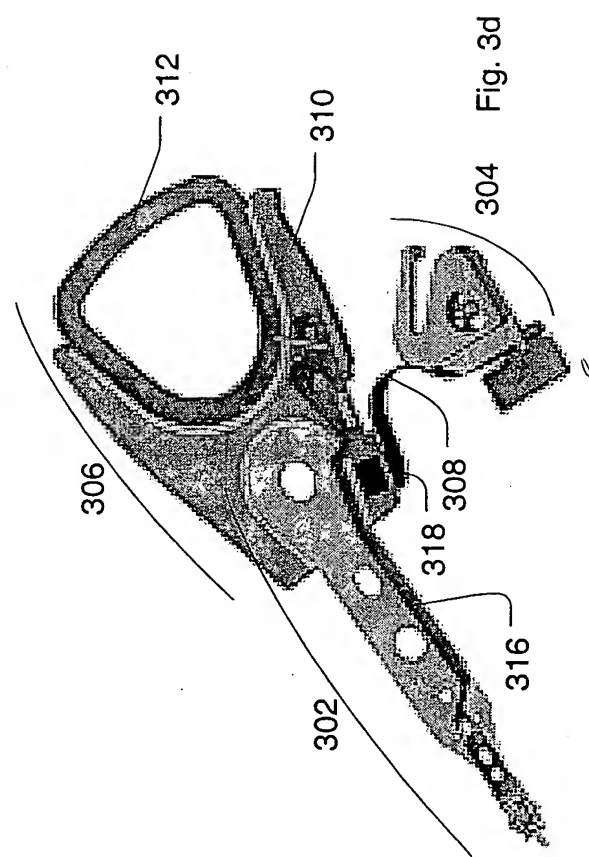


Fig. 3d

Figure 3a-d

Universal HGA assembly

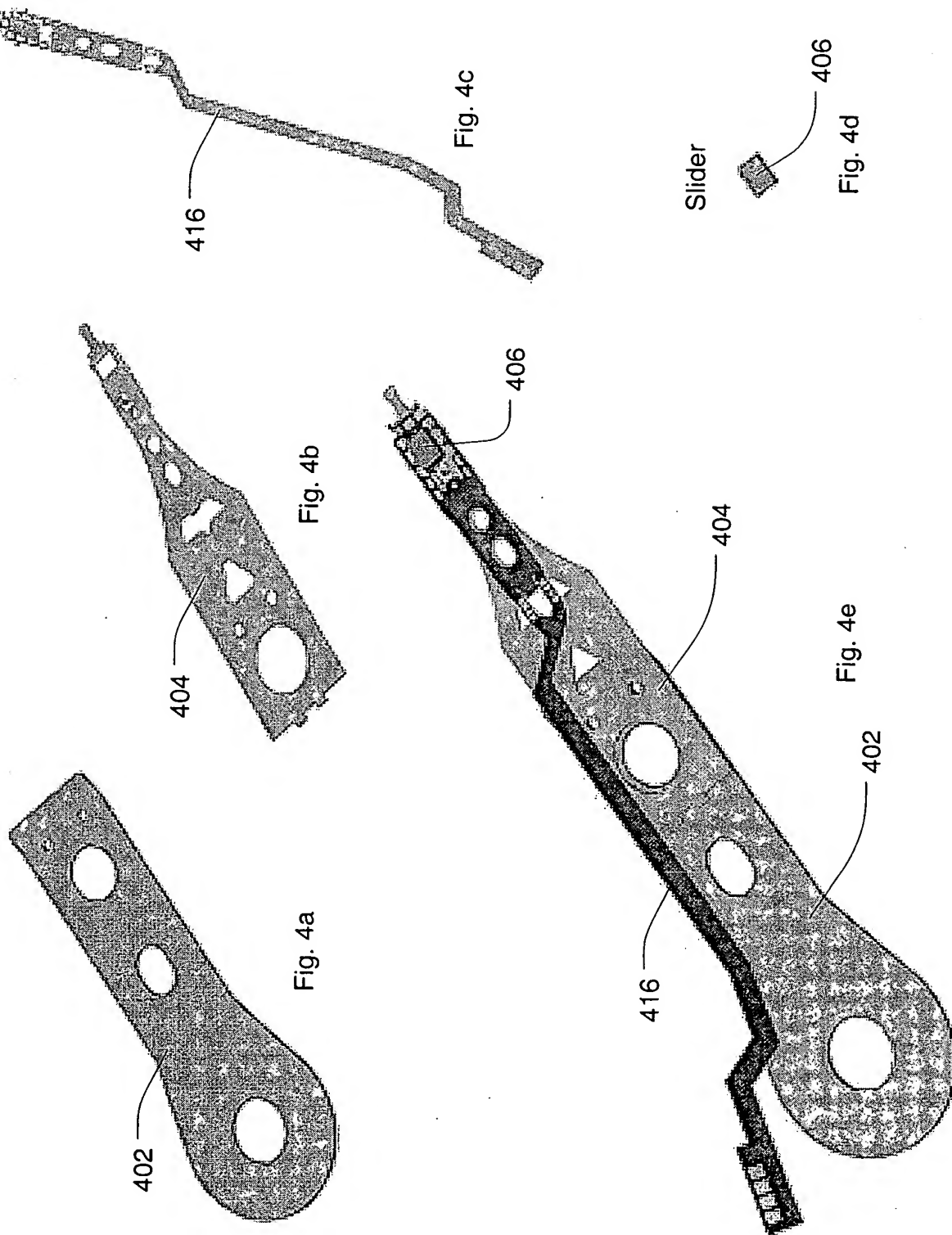


Figure 4a-e

FPC Illustration

90 Degree Bend

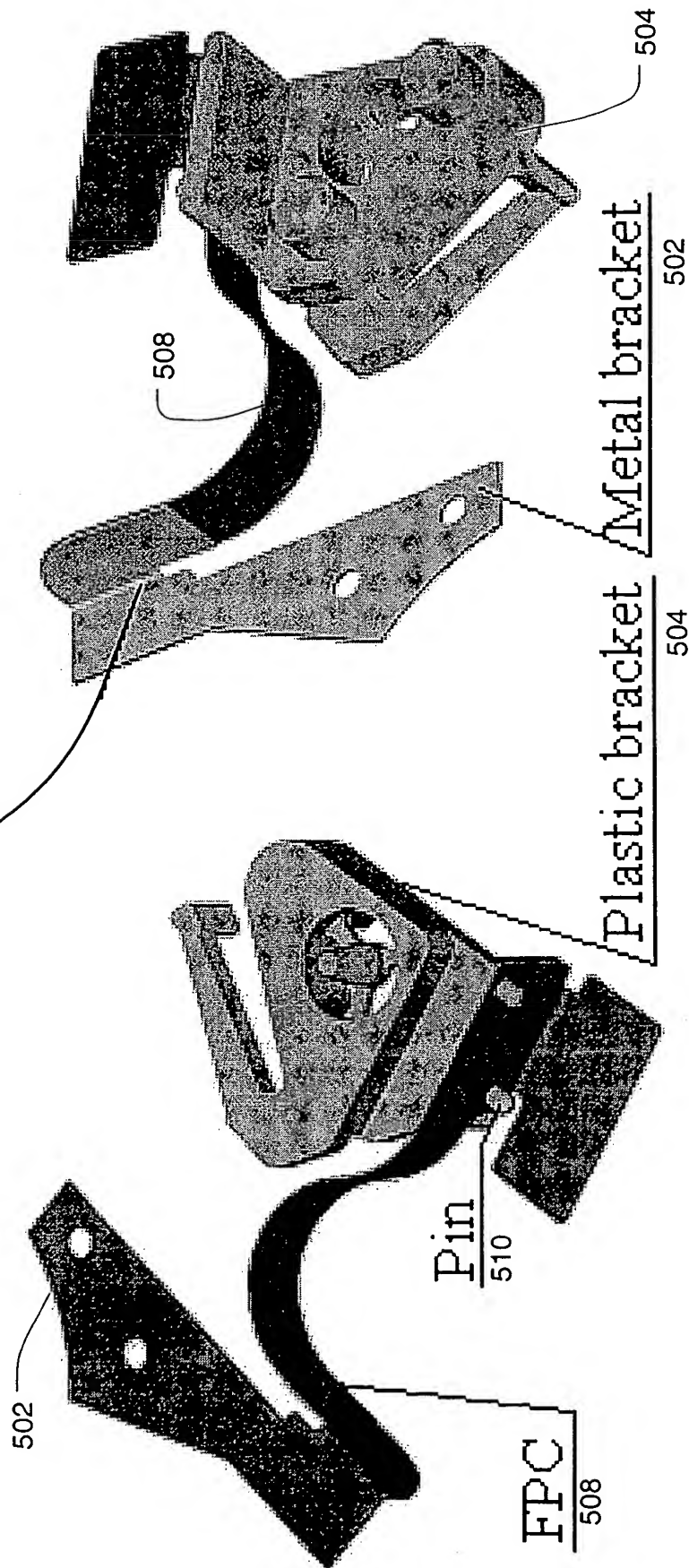


Figure 5

Actuator coil assembly

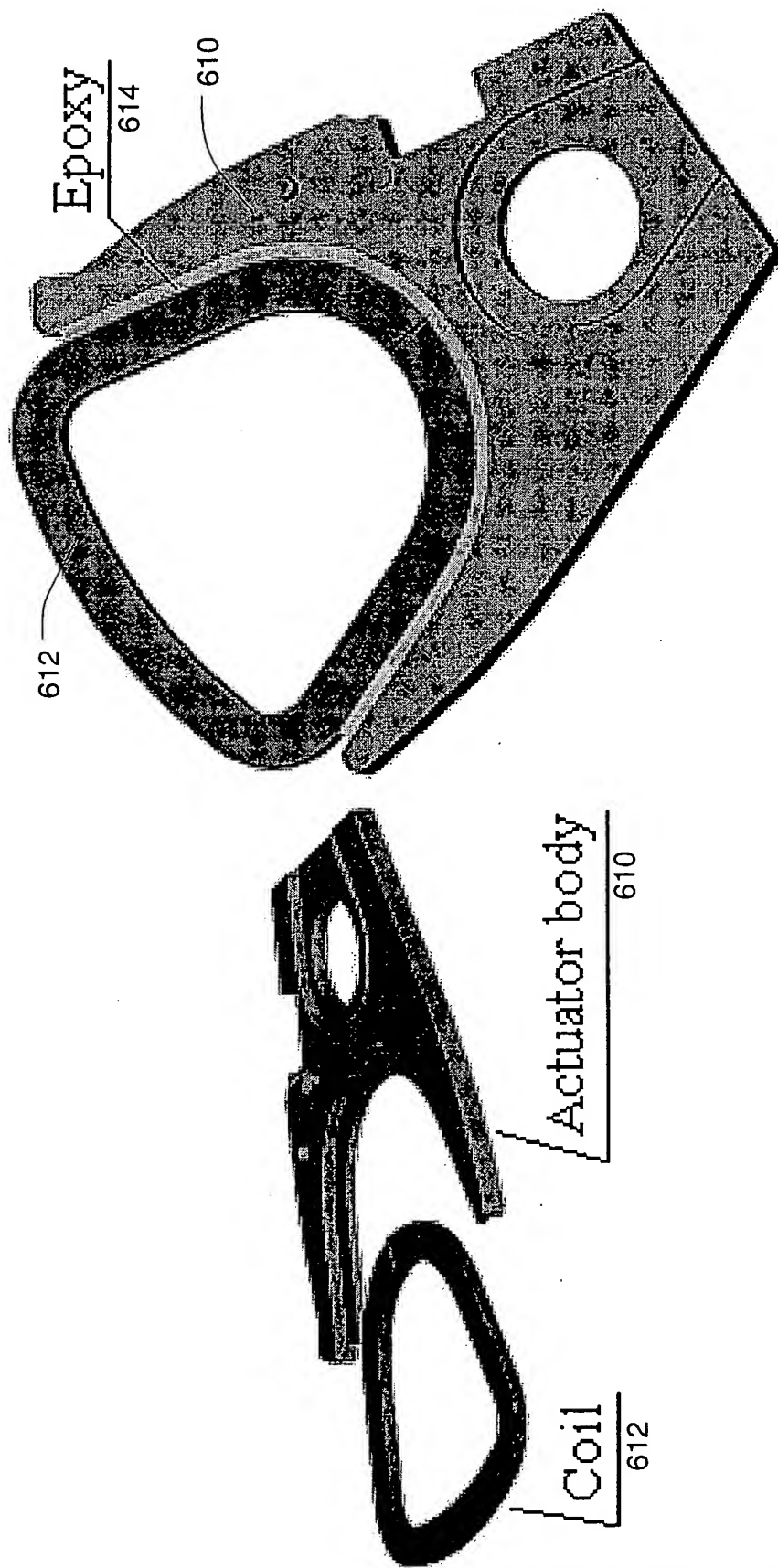


Figure 6

'FPC assembly'-to-'Actuator body assembly' attachment

Solder and wire bonding between coil and FPC pad

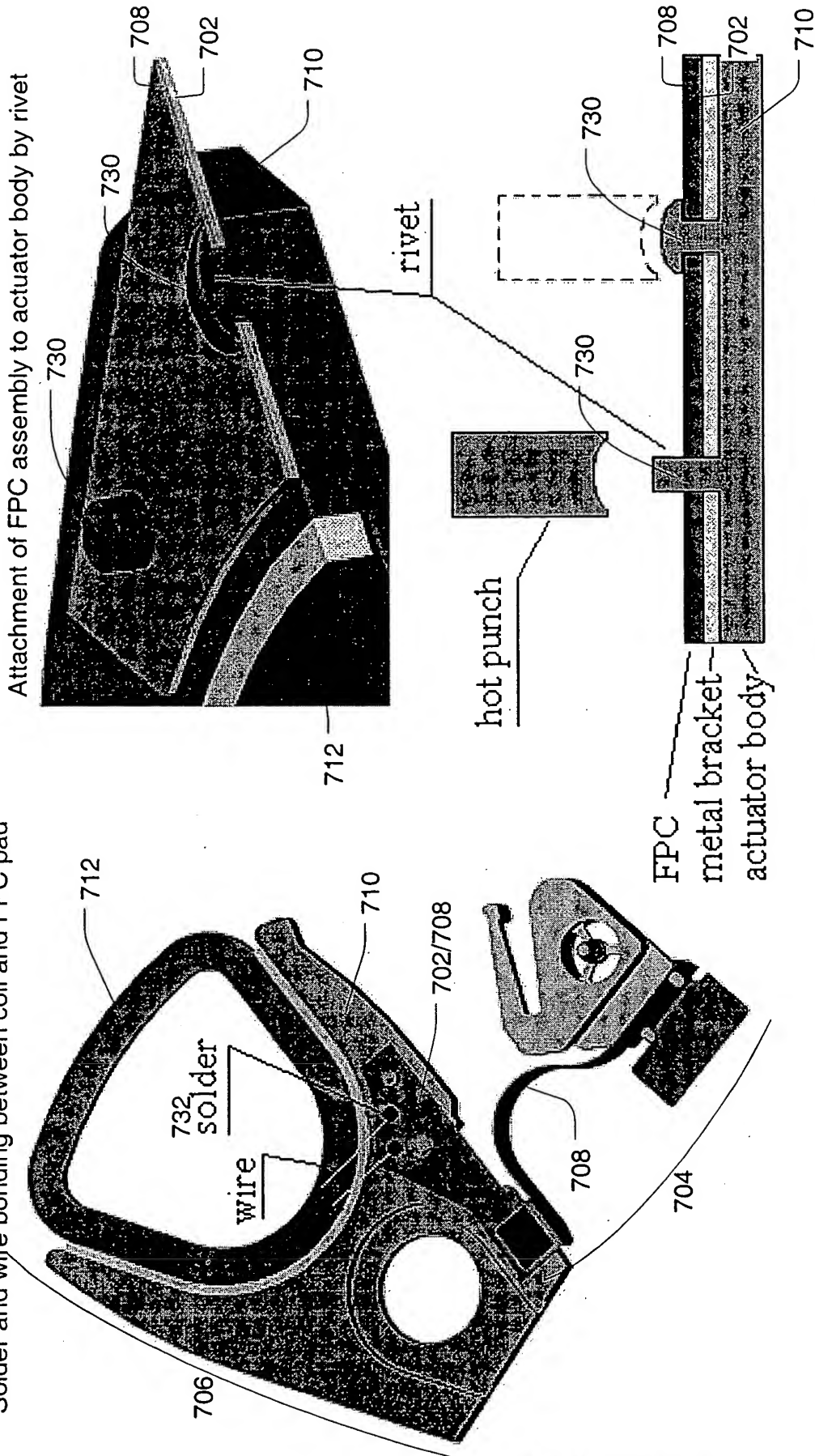
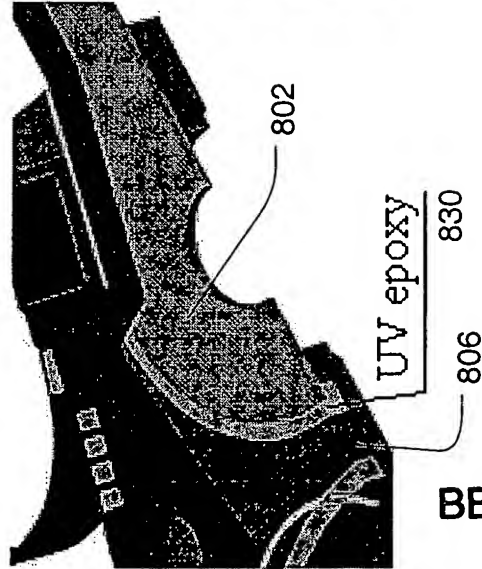


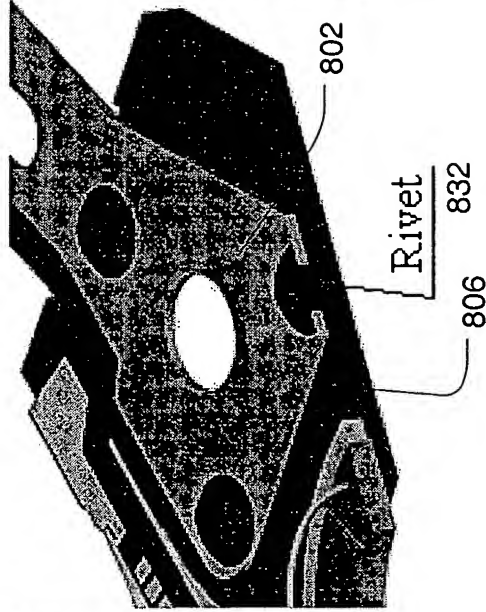
Figure 7

Methods of attaching 'Unimount HGA' -to-'Actuator body assembly'

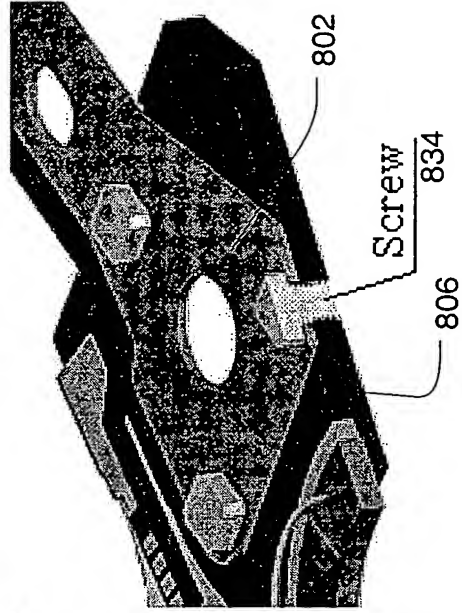
Attachment by Epoxy



Attachment by Rivet



Attachment by Screw



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Figure 8